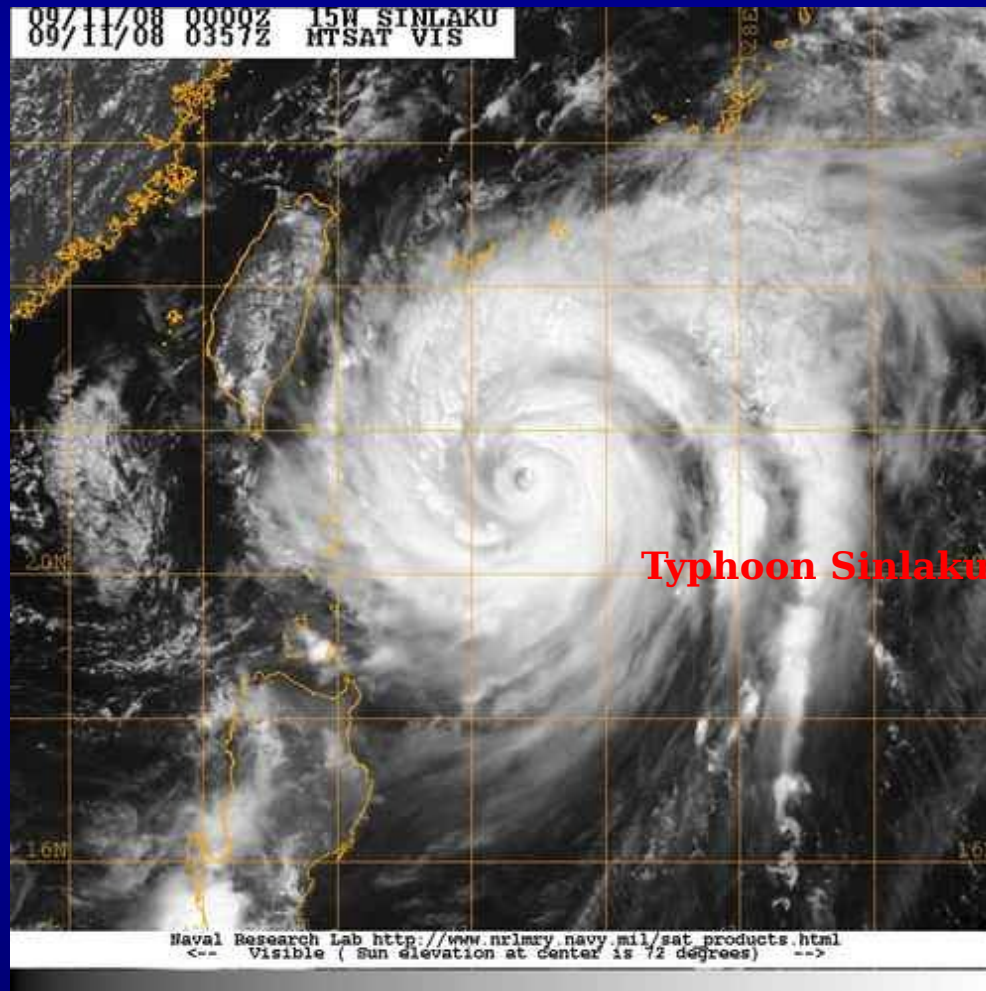




JOINT TYPHOON WARNING CENTER 2008 YEAR IN REVIEW



Mr. Bob Falvey
Director , JTWC

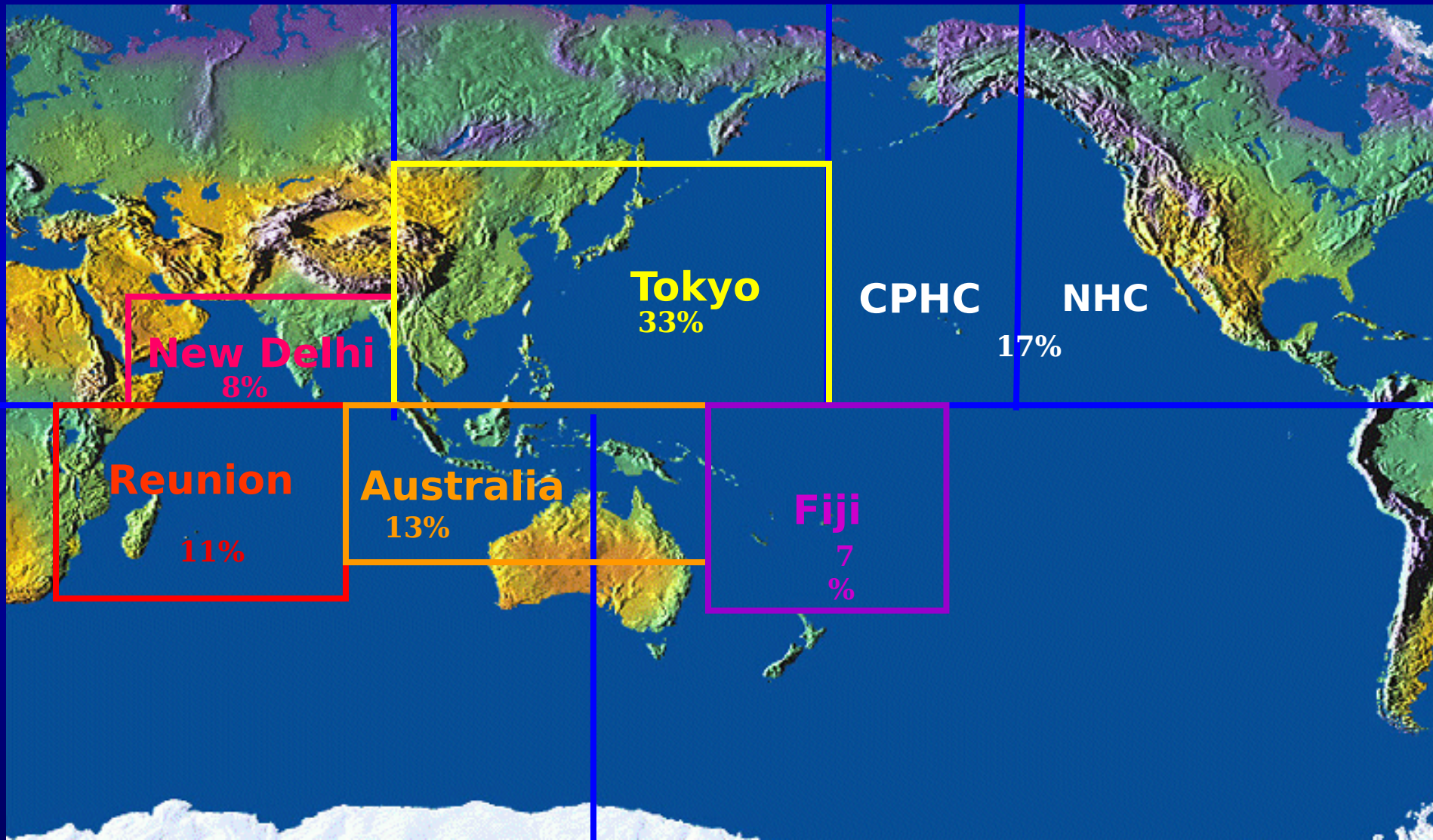


MISSION

Provide tropical cyclone analysis, forecast and warning support for Department of Defense, and other US Government assets in the Pacific and Indian Oceans as established by Commander, United States Pacific Command.



JTWC AOR





TC ACTIVITY

Arabian Sea & Bay of Bengal

2004: 5
 2005: 7
 2006: 5
 2007: 6
2008: 7
 25 Yr avg: 5

NW Pacific

2004: 32
 2005: 25
 2006: 26
 2007: 27
2008: 27
 25 Yr avg: 31

C Pacific

2004: 2
 2005: 1
 2006: 4
 2007: 2
2008: 1
 25 Yr avg: 5

NE Pacific

2004: 16
 2005: 16
 2006: 21
 2007: 15
2008: 18
 25 Yr avg: 19

S Indian Ocean & Australia Region

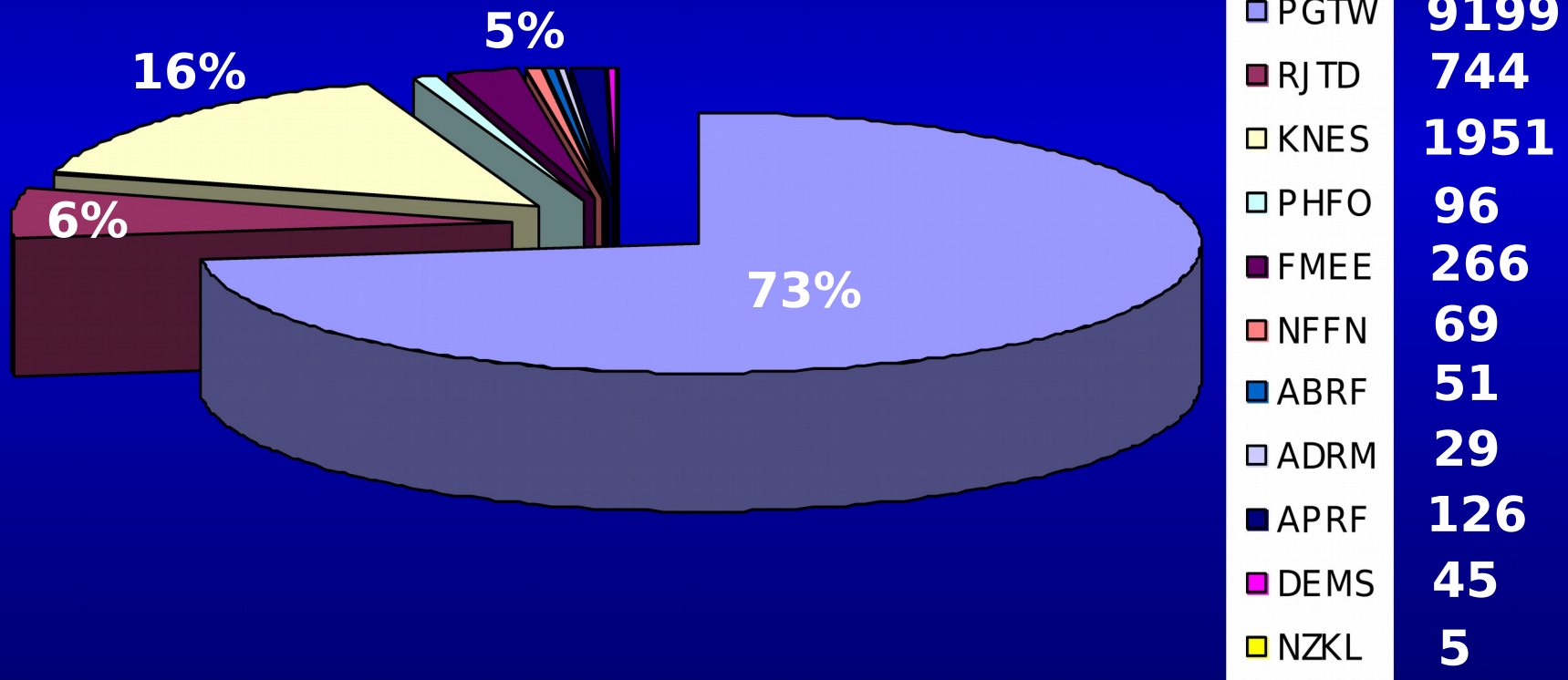
2004: 25
 2005: 20
 2006: 19
 2007: 16
2008: 21
 25 Yr avg: 23

South Pacific

2004: 2
 2005: 6
 2006: 4
 2007: 8
2008: 8
 25 Yr avg: 6



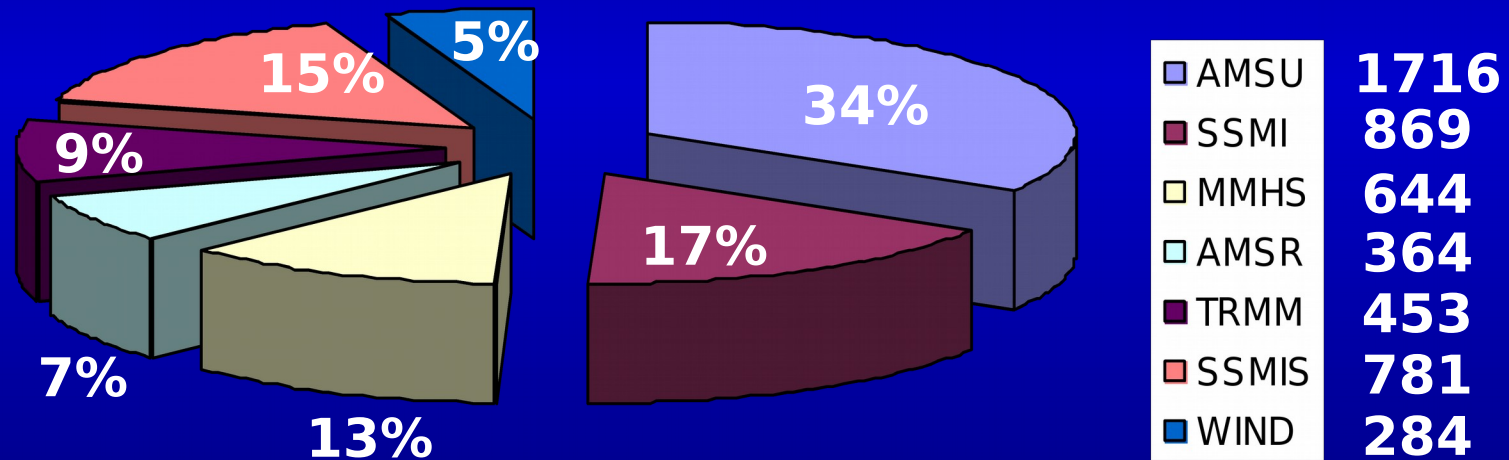
2008 Satellite Fixes By Agency



Total Satellite Fixes = 12,581



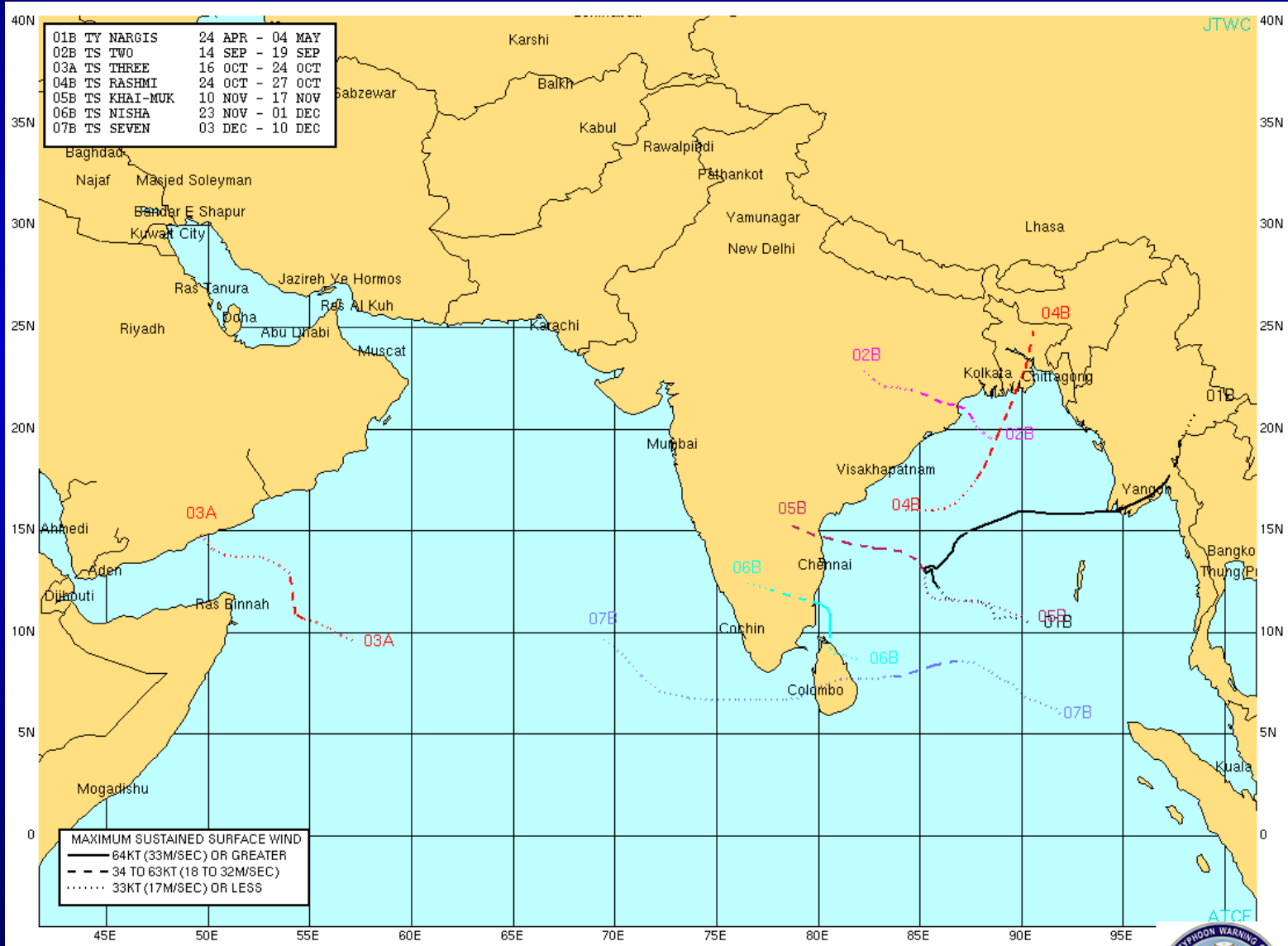
2008 Microwave Fixes By Platform (PGTW)



Microwave Fixes = 5,111 → Over half of PGTW fixes are now microwave



2008 NORTH IO TRACKS

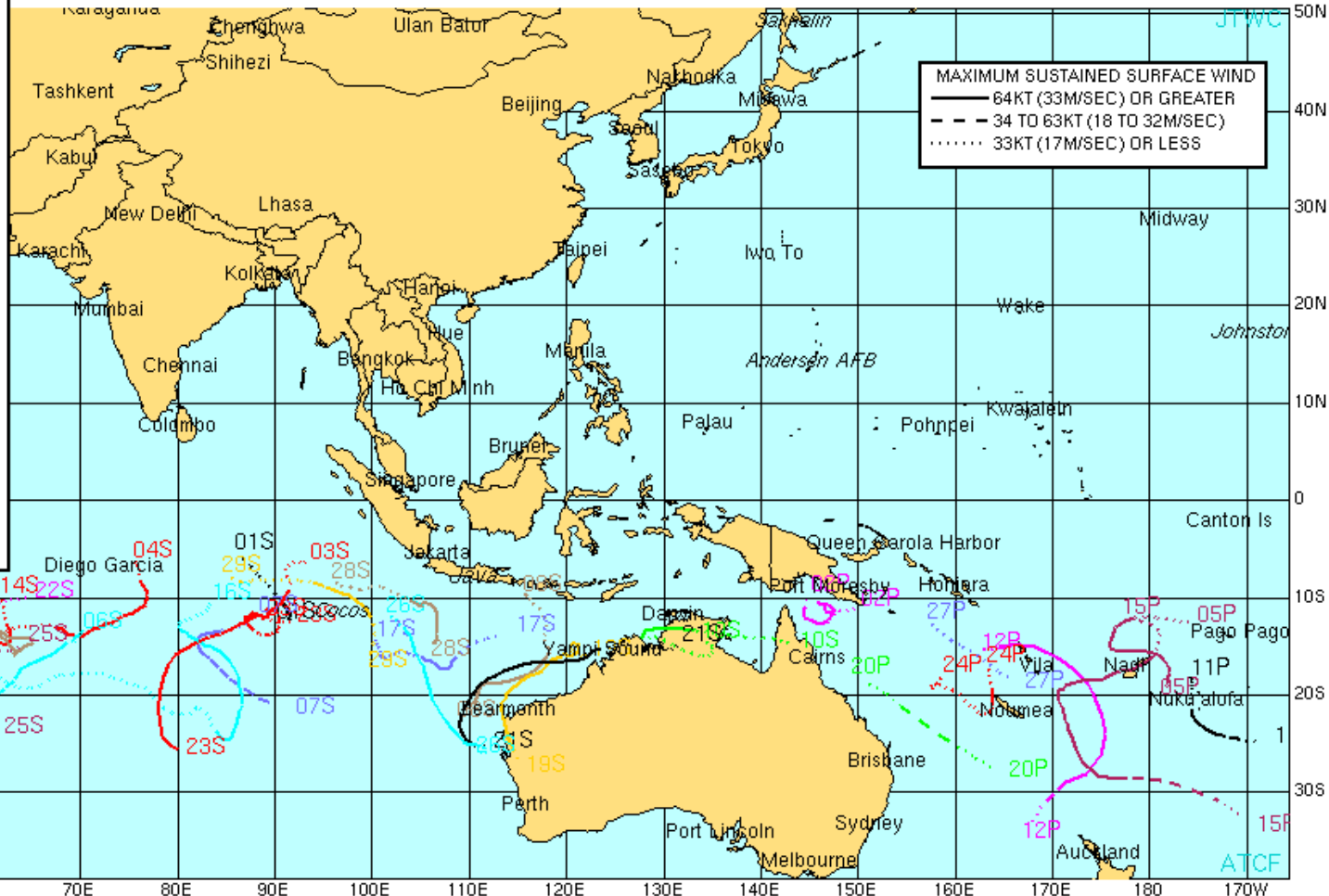




2008 S-HEMI TRACKS

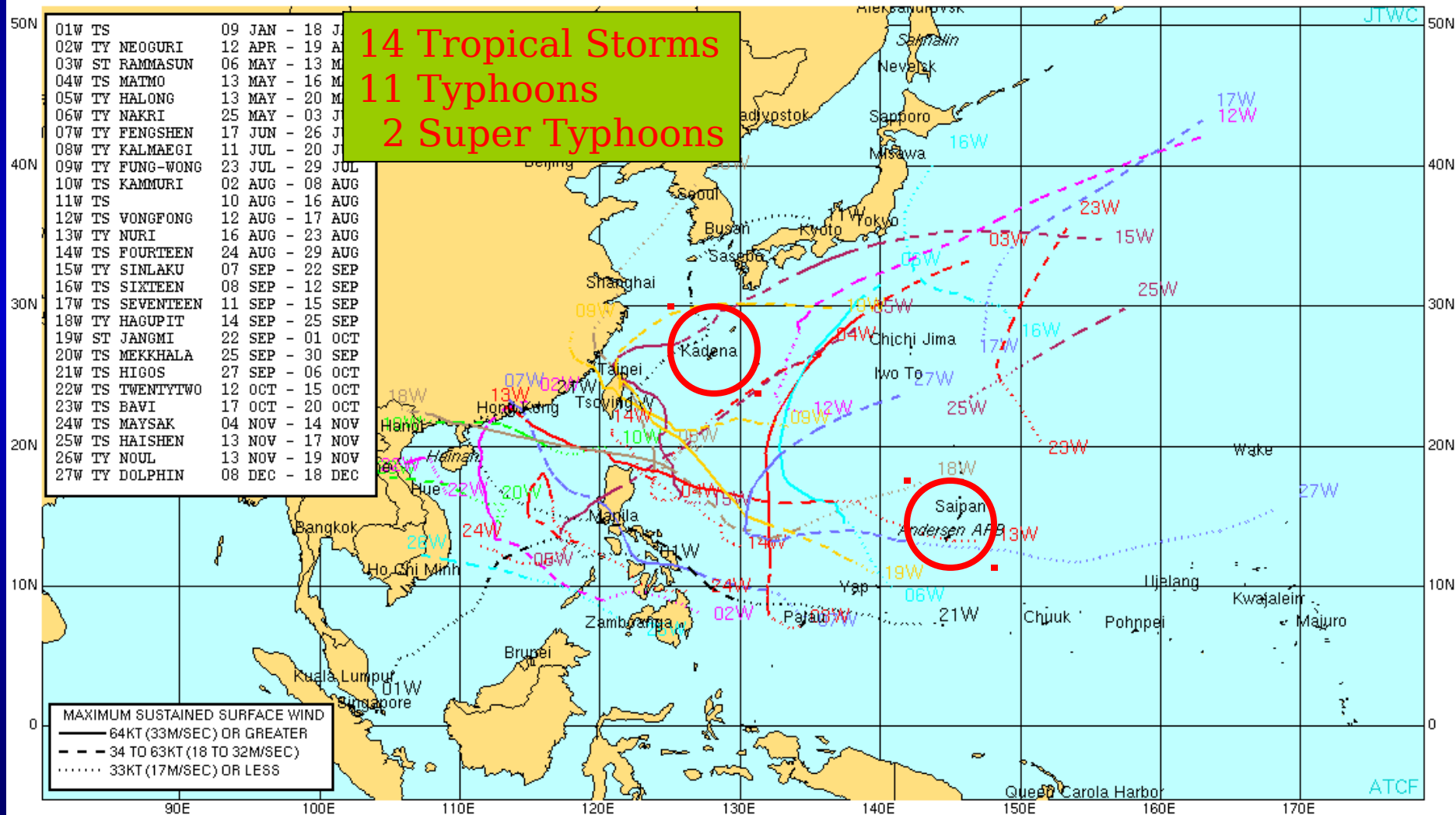


01S TS	26 JUL - 31 JUL
02P TY GUBA	26 JUL - 19 NOV
03S TS LEE-ARIEL	12 NOV - 24 NOV
04S TY BONGWE	17 NOV - 27 NOV
05P TY DAMAN	02 DEC - 10 DEC
06S TS CELINA	12 DEC - 24 DEC
07S TS DAMA	16 DEC - 22 DEC
08S TY MELANIE	26 DEC - 01 JAN
09S TS ELNUS	29 DEC - 05 JAN
10S TS HELEN	30 DEC - 09 JAN
11P TS ELISA	08 JAN - 12 JAN
12P TY FUNA	15 JAN - 21 JAN
13S TY FAME	23 JAN - 01 FEB
14S TY GULA	23 JAN - 02 FEB
15P TY GENE	25 JAN - 06 FEB
16S ST HONDO	02 FEB - 25 FEB
17S TS	02 FEB - 11 FEB
18S TY IVAN	05 FEB - 25 FEB
19S TY NICHOLAS	10 FEB - 21 FEB
20P TS	26 FEB - 01 MAR
21S TY OPHELIA	24 FEB - 07 MAR
22S TY JOKWE	02 MAR - 16 MAR
23S TY KAMBA	03 MAR - 12 MAR
24P TS	18 MAR - 26 MAR
25S TS LOLA	16 MAR - 28 MAR
26S TY PANCHO	23 MAR - 30 MAR
27P TD	16 APR - 19 APR
28S TS ROSIE	17 APR - 24 APR
29S TS DURGA	18 APR - 26 APR





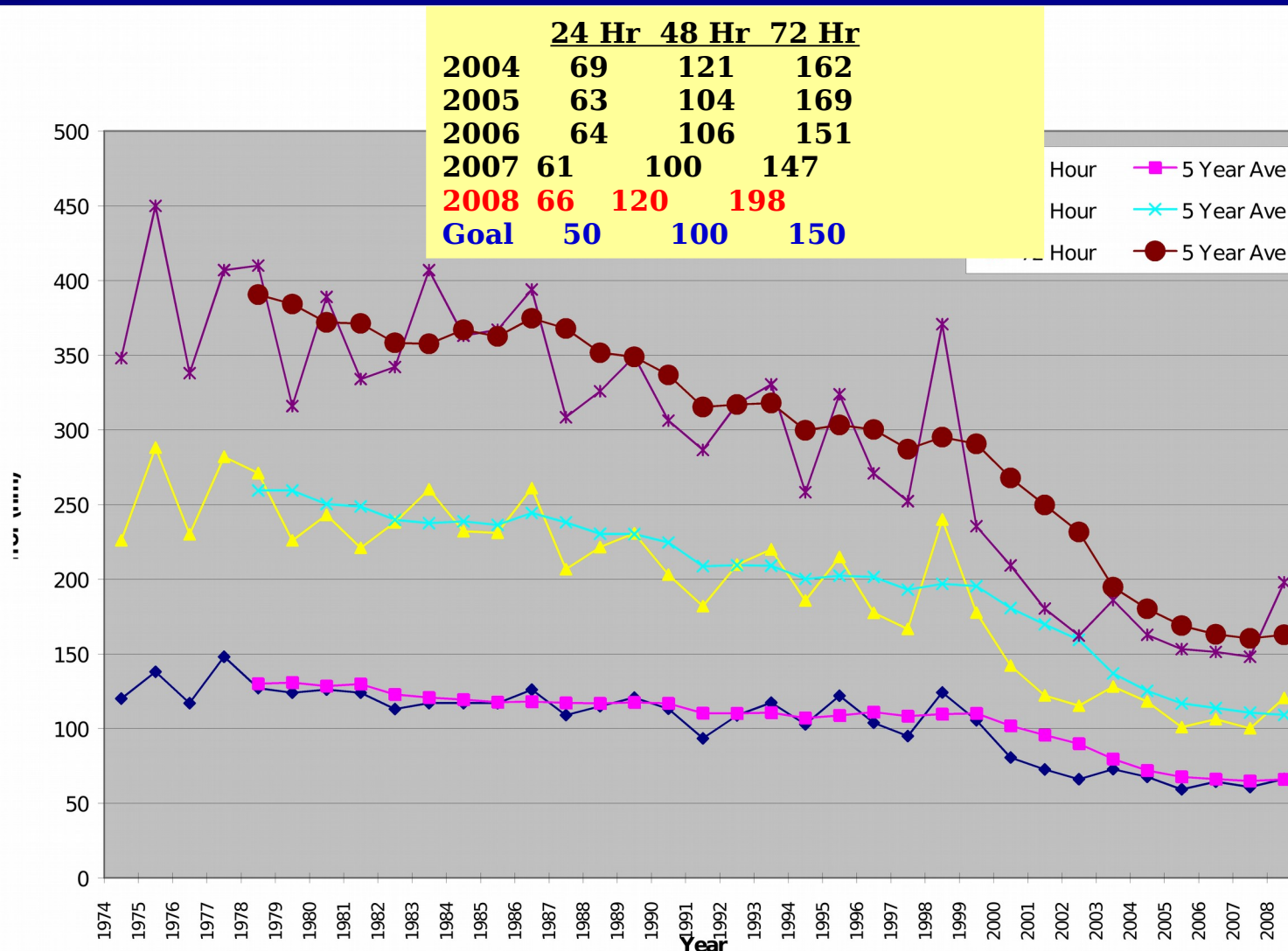
2008 WESTPAC TRACKS





JTWC TRACK ERRORS

(WESTPAC - 24-72 Hours)

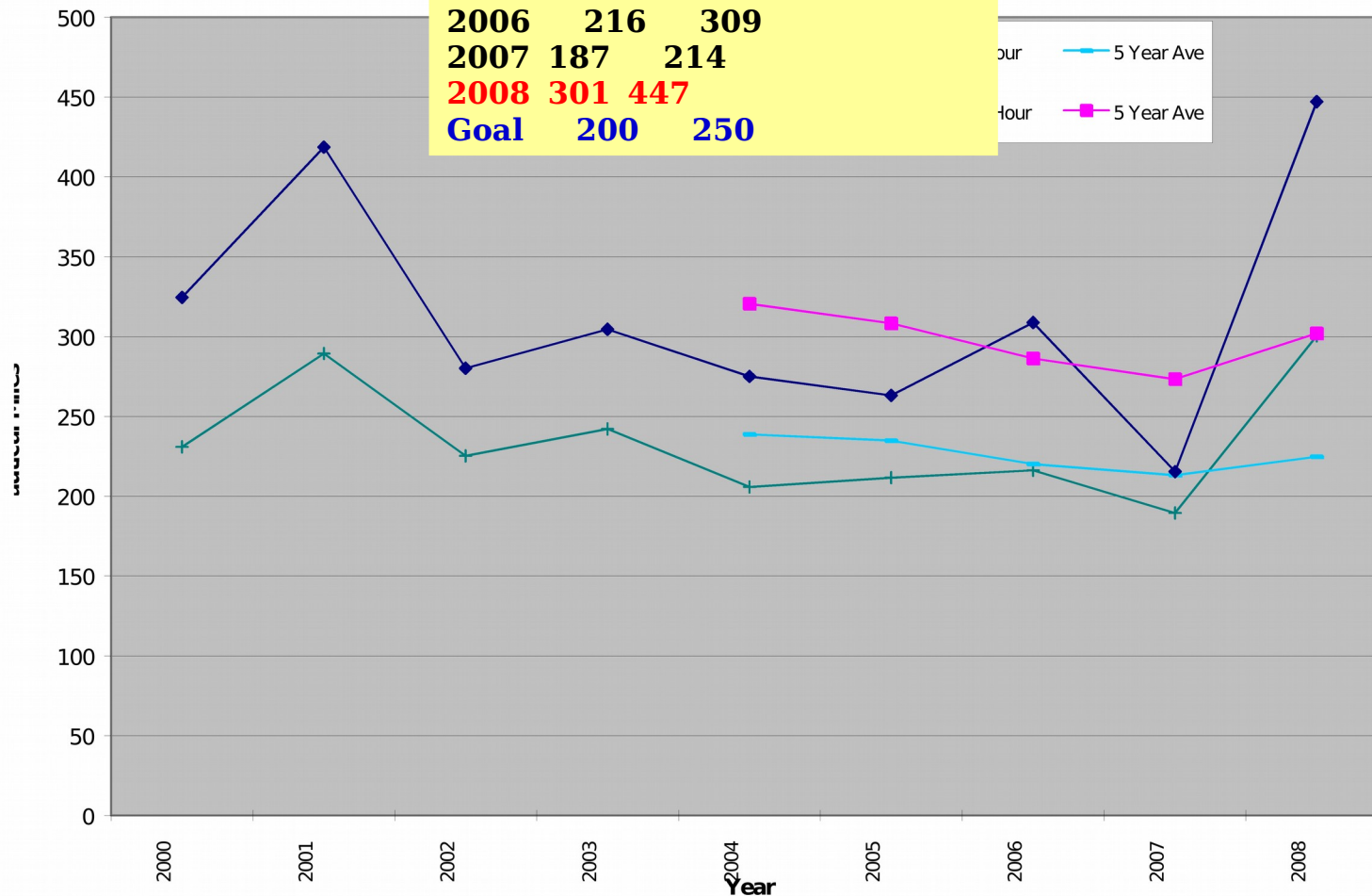




JTWC TRACK ERRORS

(WESTPAC - 96-120 Hours)

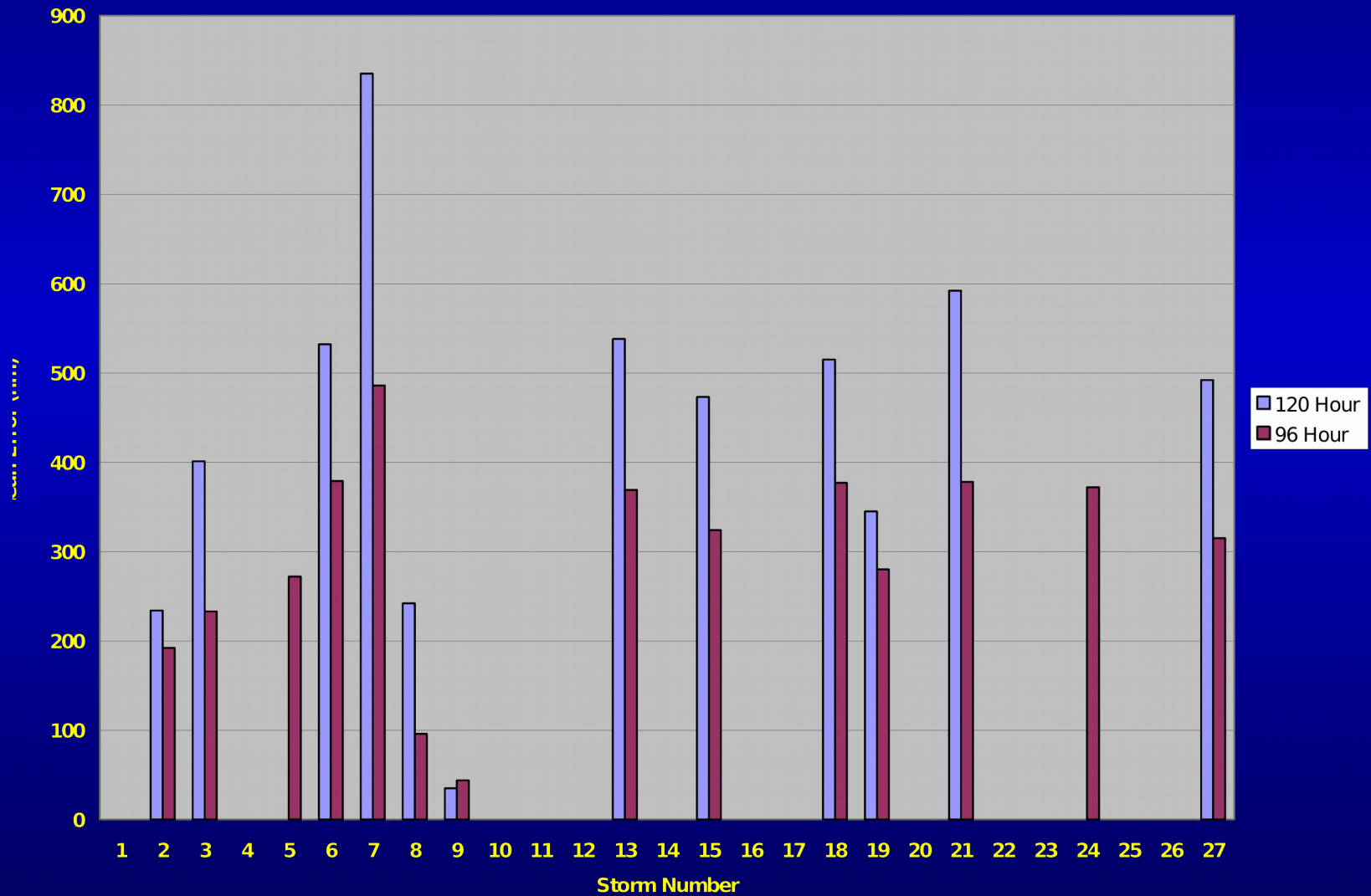
	<u>96 Hr</u>	<u>120 Hr</u>
2004	206	275
2005	212	263
2006	216	309
2007	187	214
2008	301	447
Goal	200	250





2008 WPAC ERRORS

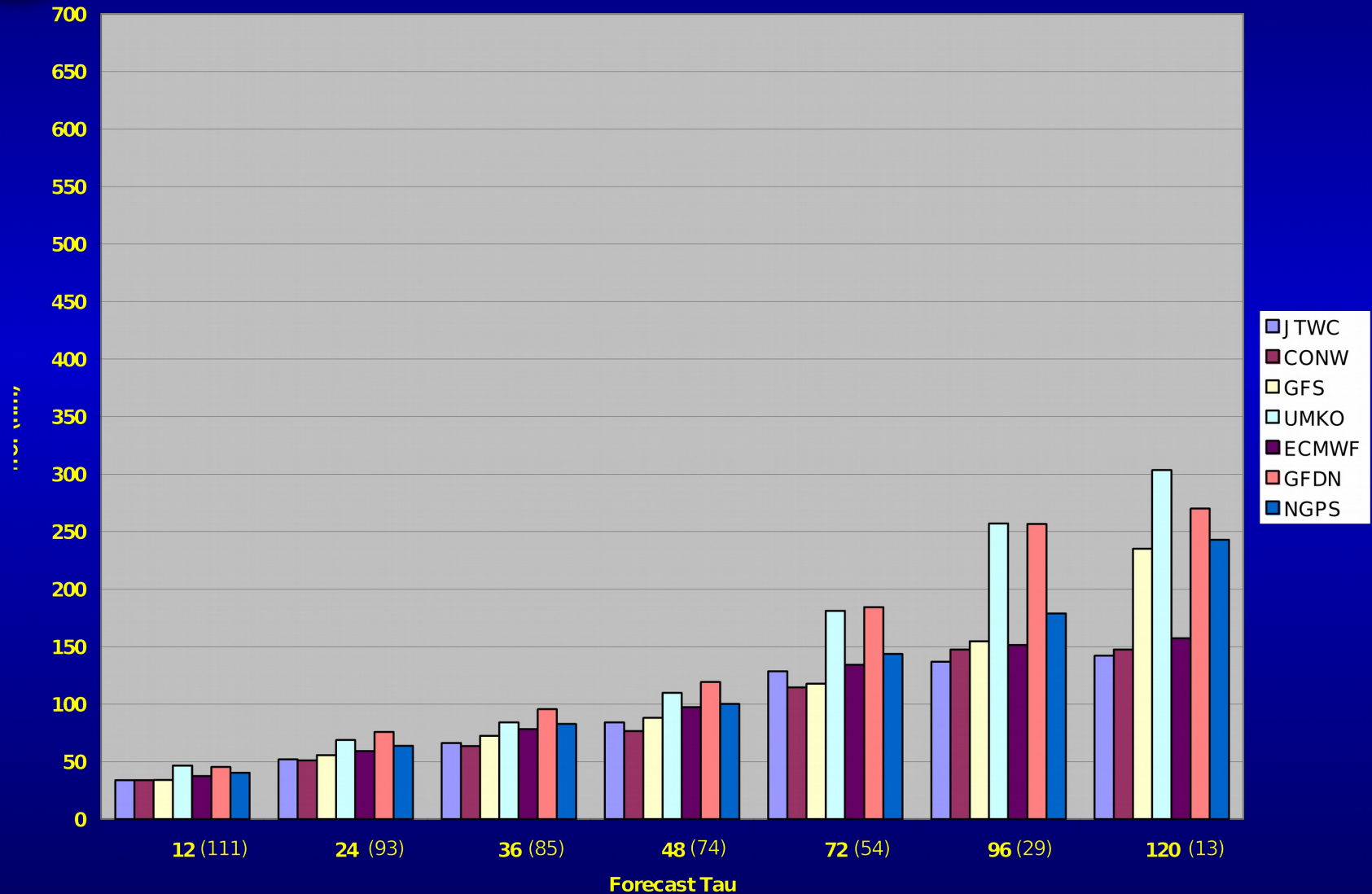
STORM BY STORM





2007 MODEL ERRORS

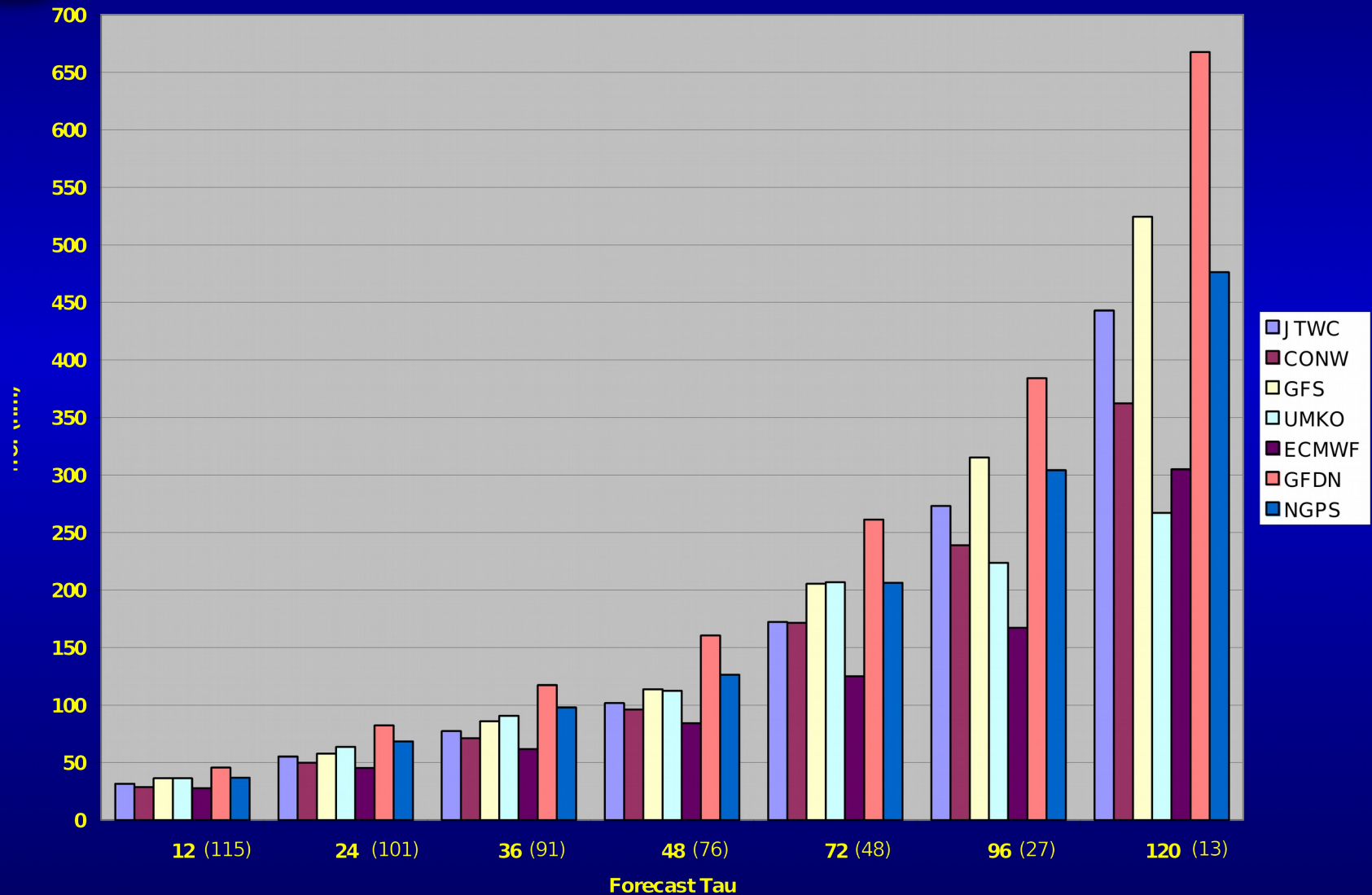
(WESTPAC - Homogeneous)





2008 MODEL ERRORS

(WESTPAC - Homogeneous)

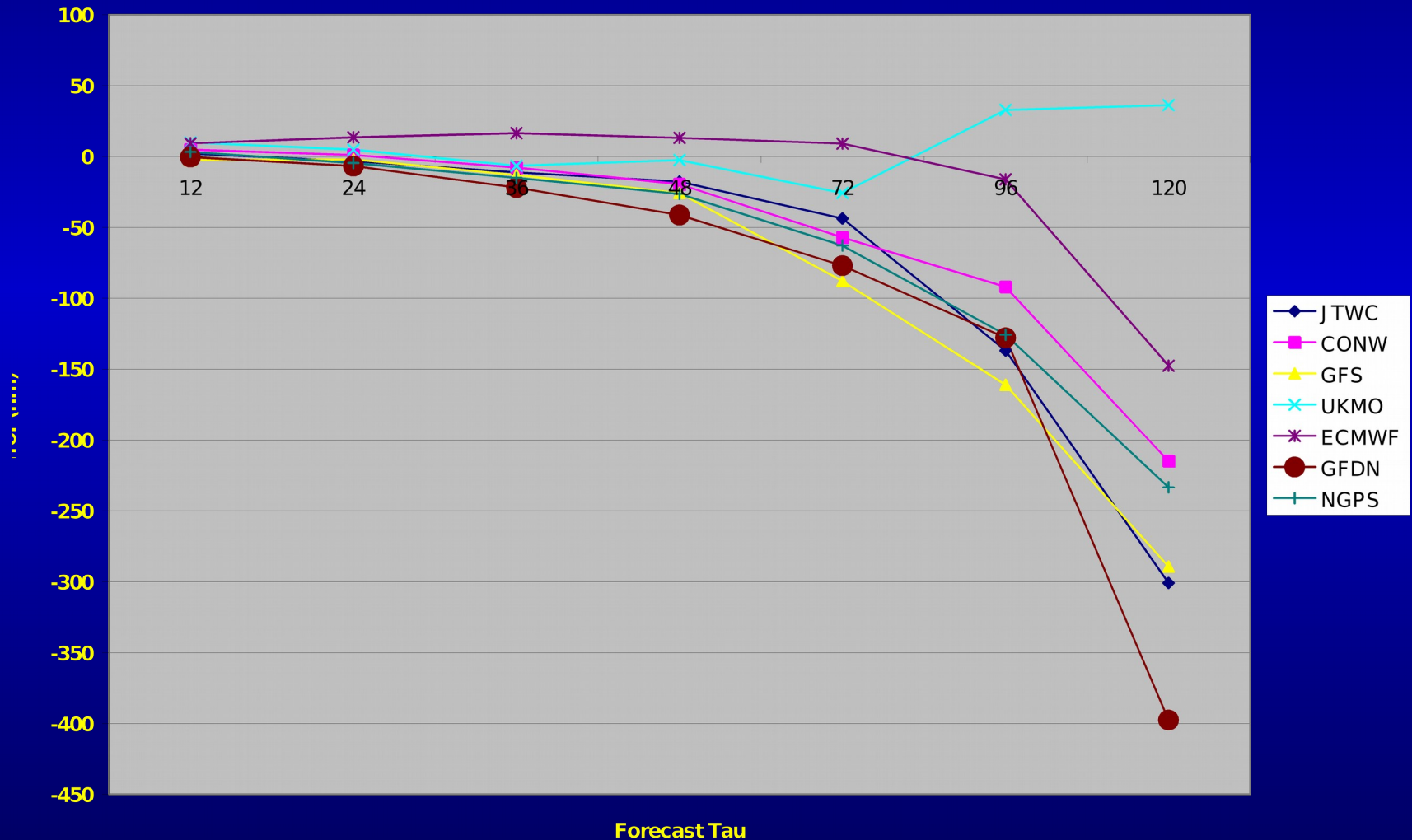




2007- 2008 ERROR DELTA

(WESTPAC - Homogeneous)

Homogeneous Skill Change (2007-2008)

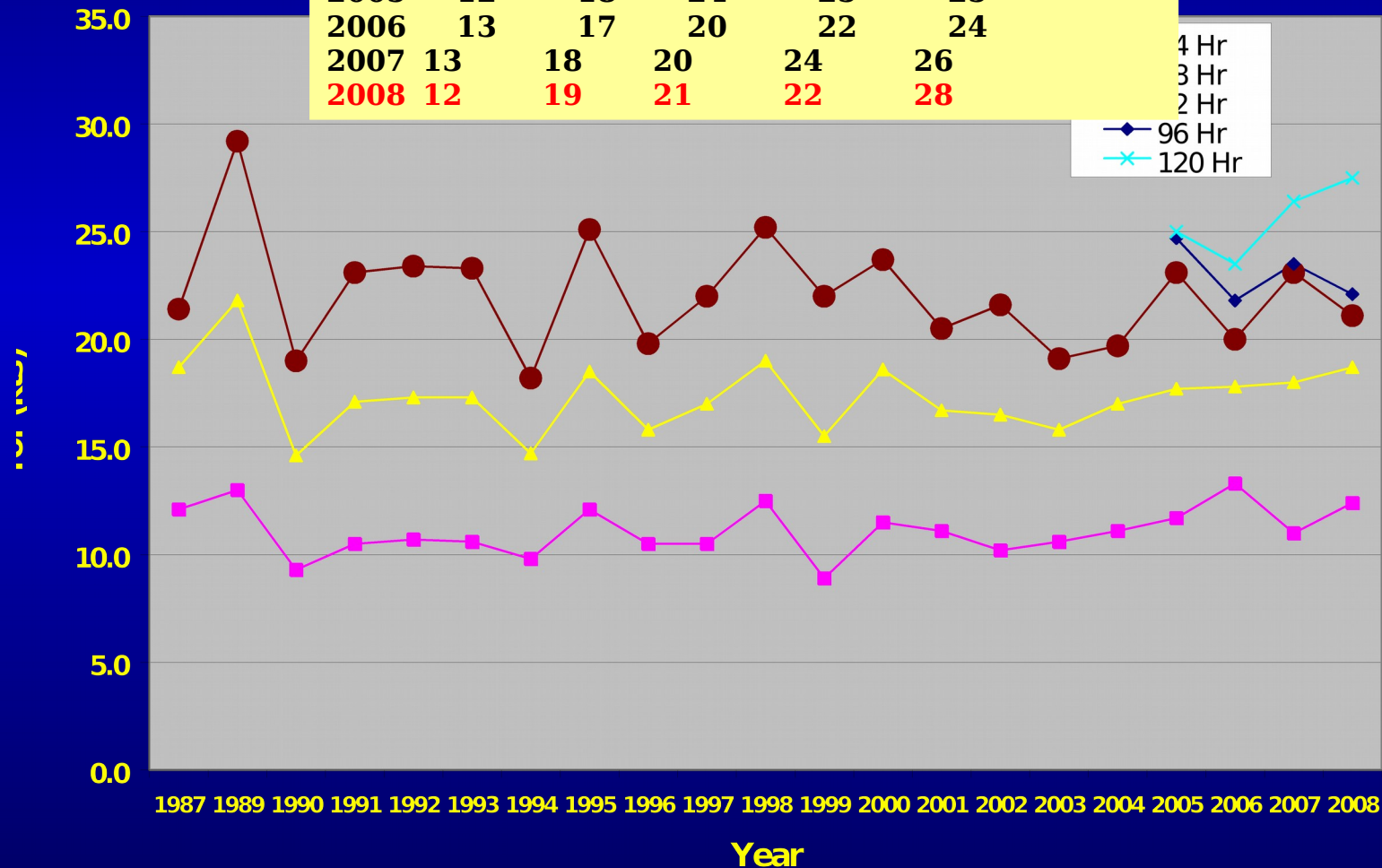




JTWC INTENSITY ERRORS

(WESTPAC 24 - 120 Hours)

	<u>24 Hr</u>	<u>48 Hr</u>	<u>72 Hr</u>	<u>96Hr</u>	<u>120Hr</u>
2004	11	17	21	23	26
2005	12	18	24	25	25
2006	13	17	20	22	24
2007	13	18	20	24	26
2008	12	19	21	22	28





ITEMS OF INTEREST



- **USAF Civilianization (Complete)**
- **MARK IVB DRO Continuation/Expansion**
- **Fix Bulletin Changes (Unified DoD/NOAA format, MI fixes included)**
- **T-PARC / TCS-08 - Data used in forecasts (Sinlaku)**
- **ITOP - Impact of Typhoons on the Pacific**
- **JMA GSM out to 132 Hrs / Forecasts to 120 Hrs**
- **ECMWF Fields**
- **JTWC Roadshow - Sep 09**



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